

BIOMORPHIC MISSIONS

- Biomorphic Missions are co-operative missions that make synergistic use of existing/ conventional surface and aerial assets along with biomorphic robots.
- Just as in nature, biological systems offer a proof of concept of symbiotic co-existence, the intent here is to capture/imbibe some of the key principles/success strategies utilized by nature and capture them in our biomorphic mission implementations.
- Specific science objectives targeted for these missions include
 - close-up imaging for identifying hazards and slopes,
 - assessing sample return potential of target geological sites,
 - atmospheric information gathering by distributed multiple site measurements, and
 - deployment of surface payloads such as instruments/biomorphic surface systems or surface experiments.